Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/26/2018 11:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125790	0	1.53	125643	1.53
Blue	F	SSC	125000	122936	-2	3.54	123163	3.31
Blue	E	FITC	23615	22858	-4	2.89	1027	10.44
Blue	D	PE	26739	26388	-2	2.20	948	10.16
Blue	B	PerCP-Cy5-5	48339	47065	-3	3.64	1344	17.28
Blue	A	PE-Cy7	45021	44412	-2	5.42	693	36.35
Red	C	APC	53064	52172	-2	2.73	2979	9.60
Red	A	APC-Cy7	57175	56180	-2	2.75	1174	11.37
Violet	B	V450	14728	14255	-4	5.06	681	9.81
Violet	A	V500	58621	57455	-2	4.91	2544	7.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19571	2.26	611	-3	N/A	N/A	Pass
Blue	F	SSC	60907	1.36	554	8	N/A	N/A	Pass
Blue	E	FITC	112	38.83	546	-2	0.0200	98	Pass
Blue	D	PE	207	30.61	538	2	0.1548	278	Pass
Blue	B	PerCP-Cy5-5	212	46.62	635	0	0.0099	137	Pass
Blue	A	PE-Cy7	73	124.00	694	1	0.0112	16	Pass
Red	C	APC	343	27.74	597	0	0.0196	24	Pass
Red	A	APC-Cy7	128	41.78	579	-1	0.0053	1805	Pass
Violet	B	V450	81	44.66	461	-9	0.0421	1908	Pass
Violet	A	V500	180	22.56	488	-9	0.0149	309	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/26/2018 11:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.97	-31.52	0.98
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	18.31	14.40 - 21.60	N/A	N/A	30.97	31.40	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10299

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments